



This is a proper time constant of the detector circuit and indicates a max. delay (T) from detect to pulse output rise. The maximum response speed is L/T where L is a practically allowable detection tolerance. When the detector's proper time constant is taken into account in use, the time delay is negligible (e.g., the detector head and magnet are operated at the same spec The detector element's maximum response speed is 10 MHz.

 ion
 Accuracy
 1 μm
 5 μm
 10 μm

 Max response speed
 10 mm/s
 50 mm/s
 100 mm/s

 J)
 For position detection at the same speed, maximum speed change is caused.

*3 When extending the cable, check the noise caused by external equipment.

*4 Clearance

lo = 10 mA or less

Clearance affects the operating range and repeatability

*5 Pay attention to the temperature characteristics.